

PATENT APPLICATION NO. 09/546,280
ATTORNEY DOCKET NO. 57761.000118

AMENDMENTS TO THE ABSTRACT

In accordance with revised 37 C.F.R. § 1.121, please enter the amendments to the Abstract as set forth below.

ABSTRACT OF THE DISCLOSURE

A3
A line current differential protective relay and method for protecting transmission lines with power transformers tapped between the substations without any measurements taken at the tap point. The protection method uses distance supervision by an overreaching instantaneous impedance zone to prevent malfunction of the relay during external faults at the distribution busbar of the tapped transformer. The protection method uses a modified current differential principle that compares the zero sequence compensated differential and restraining signals to ~~ensure~~ provide relay stability on external ground faults. The protection method combines both the traditional and modified current differential principles to ~~ensure~~ provide phase-selective operation.